

Converting Colors

CIELCh(87, 58.641, 145.176)

Have a look what the booklet for
CIELCh(87, 58.641, 145.176)
contains.

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Color

CIELCh(87, 58.453, 145.135)

Conversions

Conversions Part 1

Format	Color
Hex	89F098
RGB	137, 240, 152
RGB Percent	54%, 94%, 60%
CMY	0.4622, 0.0582, 0.4034
CMYK	0.43, 0.00, 0.37, 0.06
HSL	129°, 78%, 74%
HSV	129°, 43%, 94%
XYZ	47.2204, 70.0064, 40.7860
YIQ	199.1710, -33.1400, -49.2040

Conversions

Conversions Part 2

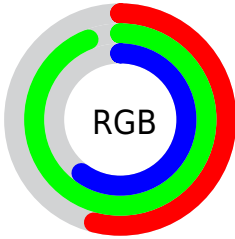
Format	Color
RYB	137, 227, 240
Decimal	9040024
CIELab	87.00, -47.96, 33.41
CIELCh	87, 58.453, 145.135
Yxy	70.0064, 0.2988, 0.4430
Android (android.graphics.Color)	4287230104 (0xFF89F098)
YUV	199.1710, -23.2553, -54.5240
Hunter-Lab	83.6698, -45.6829, 29.6671

Details

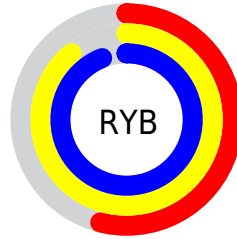
The CIELCh color **87, 58.453, 145.135** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **71, 58.386, 331.350**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 32.894, 149.227**, and **67, 58.282, 145.114** is the 20% darker color. If you saturate the color by 10%, you get **86, 71.053, 143.932**, and if you desaturate by 10%, it is **88, 45.169, 146.186**.

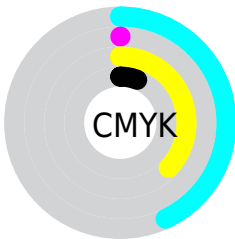
Distribution



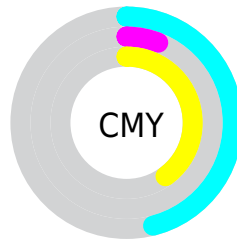
- Red (54%)
- Green (94%)
- Blue (60%)



- Red (54%)
- Yellow (89%)
- Blue (94%)



- Cyan (43%)
- Magenta (0%)
- Yellow (37%)
- Black (6%)





- Cyan (46%)
- Magenta (6%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 58.453, 145.135 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 87, 58.453, 145.135 by changing the saturation by 10% instead.


 87, 58.453,
145.135


 87, 58.453,
145.135


 100, 58.453,
145.135


 77, 58.453,
145.135

 67, 58.453,
145.135

 57, 58.453,
145.135

 47, 58.453,
145.135

 37, 58.453,
145.135


 27, 58.453,
145.135


 17, 58.453,


145.135


 7, 58.453, 145.135


 0, 58.453, 145.135


 87, 58.453,
145.135


 87, 58.453,
145.135


 86, 71.053,
143.932


 88, 45.169,
146.186

 85, 82.626,
142.582

 90, 31.496,
147.095


 84, 92.813,
141.120

 92, 17.686,
147.879

 84, 101.258,
139.617

 94, 3.935, 148.610


 96, 9.146, 325.212

 83, 107.645,

138.186



96, 9.258, 324.730

 83, 110.873,
137.330

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



87, 58.453, 145.135



71, 58.386, 331.350

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 58.453, 145.135



87, 58.453, 195.135



87, 58.453, 325.135



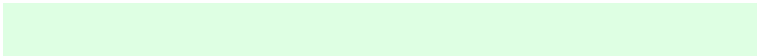
87, 58.453, 15.135

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



87, 58.454, 145.135



97, 18.724, 147.868



92, 51.916, 112.123



51, 13.115, 147.703



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87, 58.454, 145.135



91, 72.143, 144.150



88, 39.613, 166.956



49, 7.767, 148.124



65, 90.168, 137.554



19, 36.834, 140.534

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



71, 58.386, 331.350



71, 71.697, 331.877



69, 43.697, 356.655



47, 7.786, 329.239



42, 80.585, 335.016



9, 35.733, 333.941

Previews

White Background



This preview shows how the CIELCh color 87, 58.453, 145.135 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 87, 58.453, 145.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 58.453, 145.135

Background



This preview shows how black text looks on a background with the CIELCh color 87, 58.453, 145.135.

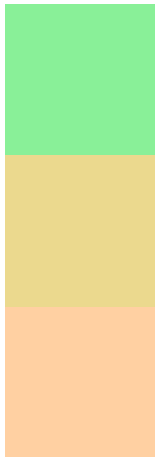


This preview shows how white text looks on a background with the CIELCh color 87, 58.453, 145.135.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
87, 58.453, 145.135

Protanopia
87, 39.397, 96.114

Deuteranopia
86, 30.899, 70.274

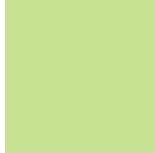


Tritanopia
87, 23.952, 221.425

Trichromacy



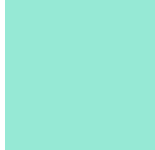
Original Color
87, 58.453, 145.135



Protanomaly
86, 41.815, 120.935



Deuteranomaly
86, 32.210, 113.052

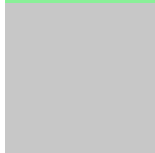


Tritanomaly
87, 29.667, 176.654

Monochromacy



Original Color
87, 58.453, 145.135



Achromatopsia
80, 0.010, 296.813



Achromatomaly
82, 21.800, 147.229

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 58.453, 145.135 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(137, 240, 152)` looks like.

```
.text, #text, p{  
    color:rgb(137, 240, 152)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(137, 240, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 240, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 58.453, 145.135 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 240, 152) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(137, 240, 152) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(137, 240, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 240, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 240, 152);  
box-shadow:4px 4px 4px 4px rgb(137, 240,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 58.453, 145.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 240, 152) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(137,  
240, 152) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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